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Amendments to the Claims:

Please replace all prior claims versions and listings with the following:

Listing of Claims:

1. (currently amended) An optical fiber, comprising:

a refractive index profile having

a first moat with a negative delta ($\Delta 2$),

a second moat with a negative delta ($\Delta 4$), and

the refractive index profile is selected to provide

a negative total dispersion at 1550 nm,

a negative dispersion slope at 1550 nm, and

a kappa value, defined as total dispersion divided by dispersion slope at 1550 nm, of less than 75 nm.

2. (original) The fiber of claim 1 further comprising

a central core having a positive delta ($\Delta 1$), and

a ring surrounding the first moat having a positive delta ($\Delta 3$).

3. (original) The fiber of claim 1 wherein the total dispersion at 1550 nm is more negative than about -40 ps/nm/km.

4. (original) The fiber of claim 1 wherein the total dispersion at 1550 nm is more negative than -40 and less negative than -400 ps/nm/km.

5. (original) The fiber of claim 1 wherein the total dispersion at 1550 nm is more negative than about -140 ps/nm/km.

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6. (original) The fiber of claim 1 wherein the dispersion slope at 1550 nm is less than – 0.75 and greater than –8.50 ps/nm²/km.

- 7. (original) The fiber of claim 1 wherein kappa at 1550 nm is between about 40 and 75 nm.
- 8. (original) The fiber of claim 1 including a pin array bend loss at 1550 nm of less than 9 dB.
- 9. (original) The fiber of claim 1 wherein a central core has a delta ($\Delta 1$) of less than 2.0 %.
- 10. (original) The fiber of claim 9 wherein an outer core radius (R1) of the central core is between about 1.2 and 3.1 microns.
- 11. (original) The fiber of claim 9 wherein the central core has an alpha (α) of less than about 6.
- 12. (original) The fiber of claim 1 wherein delta ($\Delta 2$) of the first moat is less than -0.2%.
- 13. (original) The fiber of claim 12 wherein an outer radius (R2) of the first moat is located between about 4.5 and 10.6 microns.
- 14. (original) The fiber of claim 1 wherein delta ($\Delta 4$) of the second moat is less than 0.05 %.
- 15. (withdrawn) The fiber of claim 14 wherein an outer radius (R5) of the second moat is between about 19.5 and 37.5 microns.

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16. (withdrawn) An optical transmission line, wherein the fiber as set forth in claim 1 is a dispersion compensating fiber optically coupled to a transmission fiber, the transmission fiber having:

a total dispersion between 2 and 6 ps/nm/km at 1550 nm, and a positive dispersion slope of less than 0.092 ps/nm²/km at 1550 nm.

- 17. (withdrawn) The line of claim 16 wherein the transmission fiber comprises a kappa value, defined as total dispersion at 1550 nm divided by dispersion slope at 1550 nm, of between 40 and 75 nm.
- 18. (withdrawn) The line of claim 16 wherein a High-to-Low residual dispersion for the transmission line over an entire C band having a wavelength range from 1525 nm to 1565 nm is less than 50 ps/nm for a 100 km length of transmission fiber.
- 19. (withdrawn) The line of claim 16 wherein the dispersion compensating fiber is optically coupled to a trim fiber which has:

a total dispersion between 14 and 21 ps/nm/km at 1550 nm, and a positive dispersion slope of between 0.04 and 0.07 ps/nm²/km at 1550 nm.

20. (withdrawn) A dispersion compensation fiber, comprising:

a refractive index profile including

a central core having a positive core delta ($\Delta 1$) less than 2.0% and an outer radius (R1) between 1.2 and 3.1 microns,

a first moat having a moat delta ($\Delta 2$) more negative than -0.2 % and an outer radius (R2) of between 4.5 and 10.6 microns,

a ring having a positive ring delta ($\Delta 3$) greater than 0.2 % and a center radius (R3) of between 6.5 and 12.0 microns, and

a second moat having a delta ($\Delta 4$) less than -0.05% and an outer radius (R5) between 19.5 and 37.5 microns;

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the refractive index profile selected to provide
a total dispersion less than -40 and greater than -400 ps/nm/km at 1550 nm;
a dispersion slope of between -0.75 and -8.5 ps/nm²/km at 1550 nm; and
kappa, defined as total dispersion at 1550 nm divided by dispersion slope at 1550 nm, of greater than 40 and less than 75 nm.